

## 12-9613: Anti-CEACAM5 antibody(1B5), IgG1 Chimeric mAb

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	1B5
<b>Application :</b>	WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	CEACAM5
<b>Uniprot ID :</b>	P06731
<b>Alternative Name :</b>	CEACAM-5;CD66e;CEA;Meconium antigen 100
<b>Isotype :</b>	Rabbit/Human Fc chimeric IgG1

### Description

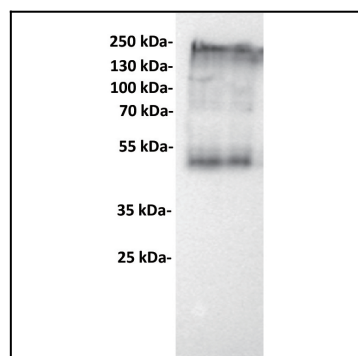
This gene encodes a cell surface glycoprotein that represents the founding member of the carcinoembryonic antigen (CEA) family of proteins. The encoded protein is used as a clinical biomarker for gastrointestinal cancers and may promote tumor development through its role as a cell adhesion molecule. Additionally, the encoded protein may regulate differentiation, apoptosis, and cell polarity. This gene is present in a CEA family gene cluster on chromosome 19. Alternative splicing results in multiple transcript variants.

### Product Info

<b>Amount :</b>	10µg / 100 µg
<b>Purification :</b>	Purified from cell culture supernatant by affinity chromatography
<b>Content :</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
<b>Storage condition :</b>	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

### Application Note

WB 1:1000



"Figure 1. Anti-CEACAM5 antibody (Cat# 12-9613) at 1/1000 dilution Lane : HT55, whole cell lysate Secondary : Goat Anti-Rabbit IgG H&L (HRP) at 1/5000 dilution Predicted band size: 76kDa Observed band size: 50-75 kDa"

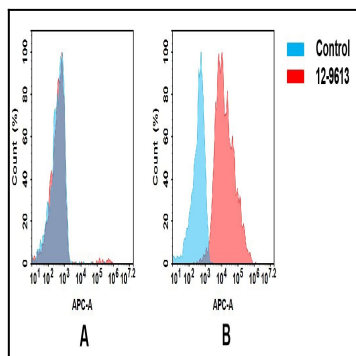


Figure 2. Flow cytometry analysis of antigen binding of anti-human CEACAM5 mAb(12-9613). (A) 12-9613 does not bind to CHO-S cells that do not express CEACAM5. (B) A clear peak shift of 12-9613 was seen compared to the control when incubated with CEACAM5-expressing MKN45 cells, indicating strong binding of 12-9613 to CEACAM5. Antibodies were incubated at 5  $\mu$ g/mL.